

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1-39 (Canceled).

Claims 40-47 (Canceled).

48. (Currently Amended) A telecommunications connection process for a bandwidth-on-demand network, wherein an application server controls use of a specified application for delivering data to a user on request, and wherein connections are made available at a first bandwidth and one or more higher bandwidths, wherein a ~~and a billing process is applied to connections established at the higher bandwidths but not at the first bandwidth, to generate a billing output, and wherein the billing process records connections established on the network, and an application server controlling use of a specified application also records calls made on the network using that application, and an output is generated according to which~~ of those connections make use of the specified ~~of that~~ application.

49. (Previously Presented) A process according to claim 48, wherein the output is a charge to be made for the use of the network.

50. (Previously Presented) A process according to claim 49, wherein a charge is also made to a second account when a connection is made making use of the said application server.

51. (Previously Presented) A process according to claim 50, wherein the charges to be made to the second account are determined by the information transmitted to the application server by the end users.

52. (Previously Presented) A process according to claim 48, wherein the application server logs the activities of the end users and the information provided by the end users to determine the output to be generated.

53. (Previously Presented) A process according to claim 48, wherein the end users interact with the application server such that the application server can log the activities of the end users.

54. (Previously Presented) A process according to claim 48, wherein the application server is a peer-to-peer file transfer controller.

55. (Previously Presented) A process according to claim 54, wherein the controller has means for recording user inputs relating to the quality of files available for transfer.

56. (Previously Presented) A process according to claim 55, wherein the outputs are adjusted according to the rated quality of the information accessed.

57. (Currently Amended) A billing process for a bandwidth-on-demand network, wherein a billing engine ~~system~~ records connections established on the network, and an application server controlling use of a specified application for delivering data to a user on request, and also records calls made on the network using that application, and instructs the billing ~~a billing-engine~~ which connections made use of that application, and wherein such calls are charged by the billing engine at different rates according to whether those connections make use of that application, wherein connections are made available at a first low-bandwidth connection, and the billing process is only applied to connections established at higher bandwidths.

58. (Previously Presented) A process according to claim 57, wherein connections making use of the application are charged at a lower rate than other connections.

59. (Previously Presented) A process according to claim 57, wherein a charge is also made to a second account when a connection is made making use of the said application server.

60. (Previously Presented) A process according to claim 59, wherein the charges to be made to the second account are determined by the information transmitted to the application server by the end users.

61. (Previously Presented) A process according to claim 60, wherein the application server logs the activities of the end users and the information provided by the end users to determine the charges to be made to the second account.

62. (Previously Presented) A process according to claim 60, wherein the end users interact with the central application server using programming information having security measures to allow the central server to log the activities of the end users.

63. (Previously Presented) A process according to claim 57, wherein the application server is a peer-to-peer file transfer controller.

64. (Previously Presented) A process according to claim 63, wherein the controller has means for recording user inputs relating to the quality of files available for transfer.

65. (Previously Presented) A process according to claim 64, wherein the call charges are adjusted according to the rated quality of the information accessed.

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Claims 66-74 (Canceled).